PEO Ammunition

Affects and Limitations on Ammunition Resulting from the War on Terrorism

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Kevin M. Fahey
Deputy Program Executive Officer, Ammunition

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Agenda

- PEO Responsibilities and Organization
- War on Terrorism -- Impacts on Ammunition
- Challenges
- Future Focus
- Summary

PEO Ammunition Mission

- **PEO Ammunition is committed to providing superior ammunition to the soldier**

- **PEO Ammunition responsible for Life-Cycle acquisition management of:**
  - ✓ **conventional ammunition which includes integrating budgets, acquisition strategies, R&D and life-cycle management across all ammunition families**
  - ✓ **Single ammunition voice in the budget process**
  - ✓ **Industrial Preparedness Planning, representing the munitions industrial base**

Where PEO Ammo Programs Came From

PEO GCS **$ 375.911M**
- PM ARMS
- PM TMAS
- PM Crusader (MACS)

 # Programs 23

DSA-TACOM **$ 439.476M**
- PM Mines
- PM Mortars
- PM Small Arms

 # Programs 74

AMC/DCS Ammo **$ 708.263M**
- Training Ammo
- Industrial Base
- Demil
- ARDEC (Fuze Programs)

 # Programs 94

PEO Ammo
- PM MAS
- PM CAS
- PM CCS
- PM Joint Services

Total RDA Programs
191 programs
$ 1,523.650 M

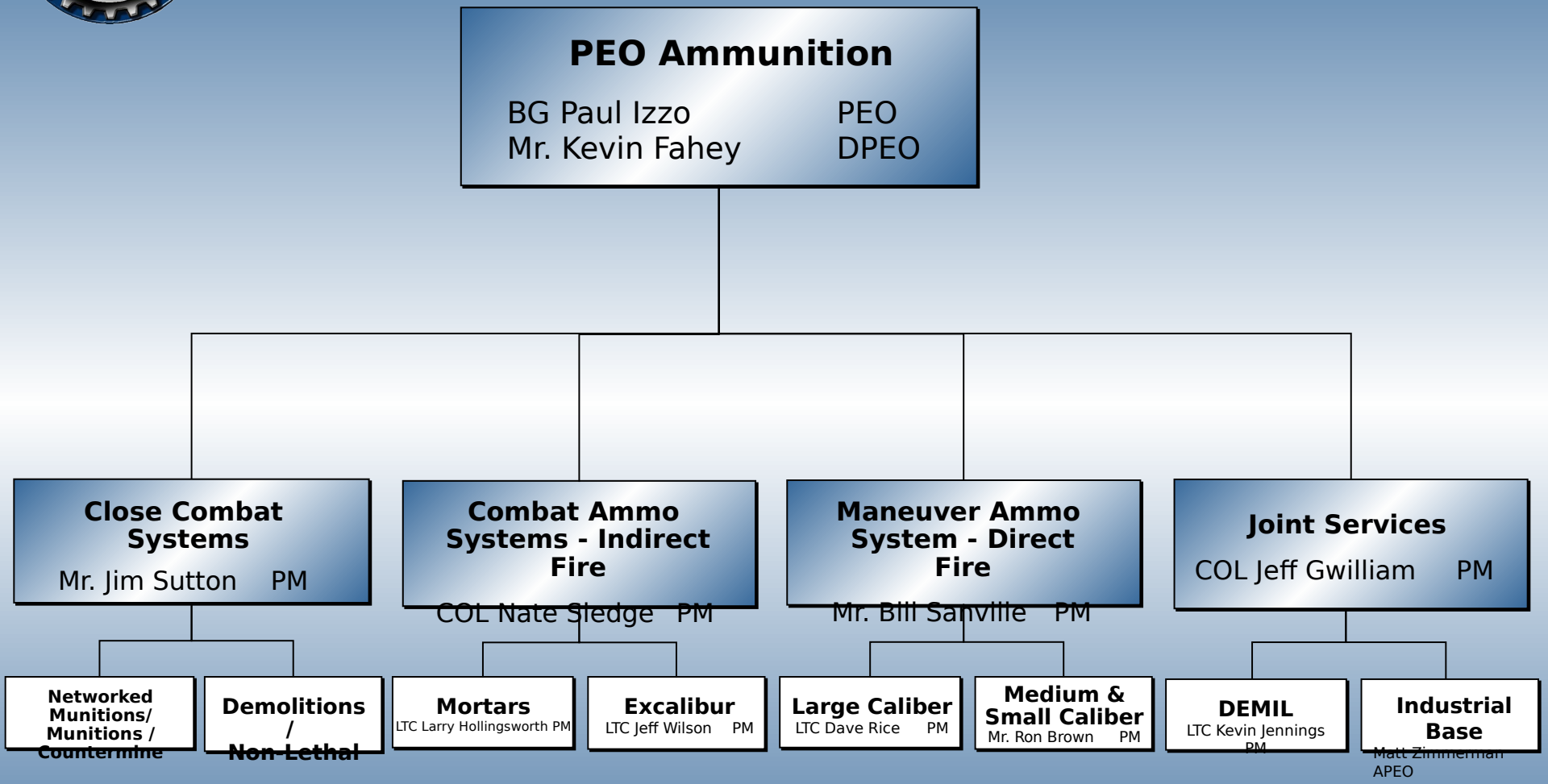
Ammunition Enterprise Responsibilities

(As briefed to the AAE and CG AMC on 6 December 2002

MISSION	LEAD	SUPPORT
ACQUISITION		
RDT & E	PEO-AMMO	JMC
Acquisition Strategy	PEO-AMMO	JMC
Hardware Production	PEO-AMMO	JMC
Components for Renovation (Maint Spt)	PEO-AMMO	JMC
APE (Maint Spt)	PEO-AMMO	JMC
PAA Program / Budget / Receive Funding	PEO-AMMO	JMC
Industrial Base	Co-Lead	
LOGISTICS / SUSTAINMENT		
Receipt / Issue	JMC	PEO-AMMO
Storage / Distribution Management	JMC	PEO-AMMO
Inventory / Accountability	JMC	PEO-AMMO
Safety / Security	JMC	PEO-AMMO
Quality Assurance (ASRP / Surveillance)	JMC	PEO-AMMO
Maintenance	JMC	PEO-AMMO
Demilitarization/ Disposal	PEO AMMO	JMC
Transportation	JMC	PEO-AMMO
OMA Program / Budget / Receive Funding	JMC	PEO-AMMO

KEY TO ENTERPRISE: INTEGRATION AND SYNCHRONIZATION

PEO Ammo Organization



Close Combat Systems Mission

Equip Soldiers with Close Combat Systems fo

Assured Mobility	Force Protection	Close Battle
Intelligent Munitions System Defeat	APLA	Hard Target
Anti-Personnel Landmine Alternative (APLA)	Countermine	Demolitions
Countermine	Non-Lethal	Hand Grenades
Demolitions	Pyro/Flares	Non-Lethal
	EOD Equipment	Pyro/Flares

SBCT Volcano

15 Prime Contractors
- 30 Contracts

GOCOs
JMC

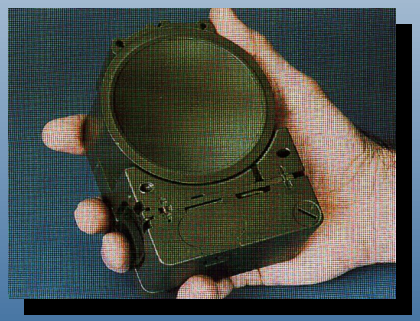
R&D Establishments
- TARDEC
- ARDEC
- ARL
- CERDEC

Combat Developers
- USAES
- USAMPS
- USAFAS
- USASOC
- USAIS
- USMC

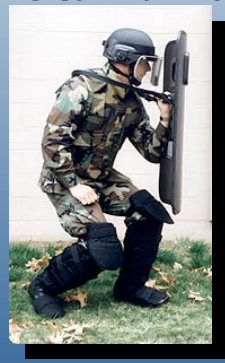
Bunker Defeat Munition

Hand-held Standoff Mine Detection System

M67 Hand Grenade



Selectable Lightweight Attack Munition



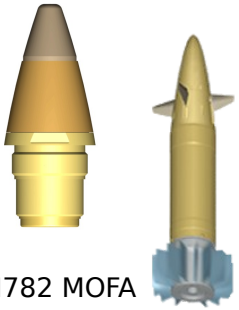
Non-Lethal Capability Se

PM Combat Ammunition Systems

LCCM

795 E1

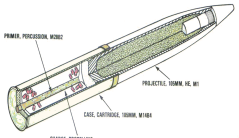
Excalibur Discriminating



M782 MOFA

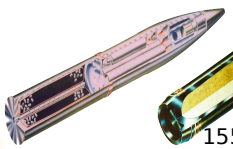
Excalibur Unitary

M1155 PIAFS

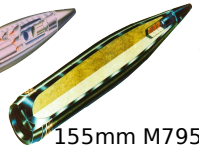


105mm M1 HE

105mm M314A3 Illum



105mm M915 DPICM



155mm M795 HE Projectile

155mm M107 HE

155mm M804A1 Practice

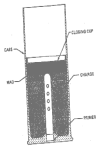
M782 MOFA

Time

M767

MOUT

MK399 MOD1

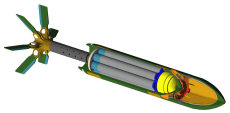


75mm M337A2 Blank

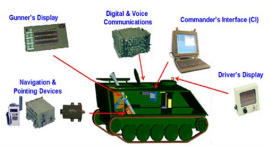
155mm M231/M232 Prop

Concept | **Development** | **Production**

Mortars



120mm XM984 DPICM

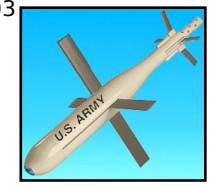


(MFCS) Heavy

120mm Training Insert, M303

MBC

Mortar Fire Control System - Light (MFCS-L)



120mm XM395 (PGMM)

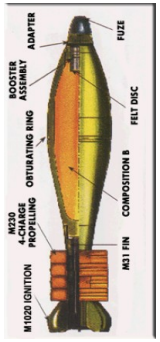
60mm M769 FRPC

81mm M853A1 Illum

120mm M983 IR

60mm M720A1 HE

81mm M821A1/M889A1 HE



120mm M934 HE

Concept | **Development** | **Production** | **Sustainment**

PM Maneuver Ammunition Systems

Small Caliber

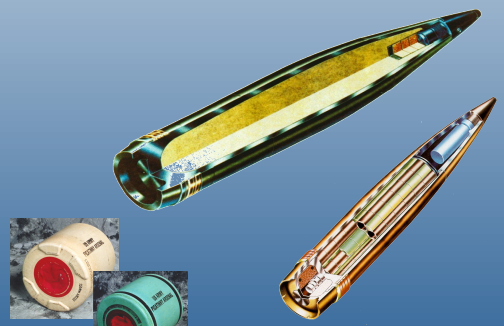
Medium Caliber

40mm Grenades

Large Caliber

PM Joint Services Mission

- **Execute Single Manager for Conventional Ammunition (SMCA) acquisition functions**
  - ✓ **Manage the execution of other services' acquisitions not currently managed by other PEO Ammo PMs (e.g. bombs, pyrotechnics, propellant and explosives)**
  - ✓ **Coordinate management of other services' acquisitions managed by other PEO Ammo PMs (e.g. artillery, cannon, small and medium caliber)**
  - ✓ **Oversight of PM Demil**



War on Terrorism -- Affect on Ammunition

- Significantly more interest in Ammunition Readiness
  - ✓ JMC in coordination with PEO Ammo has established a munitions readiness reporting system
- Some change in prioritization towards current capabilities
- Focus on fielding capabilities quickly
  - ✓ Many urgent materiel releases since September 11th
- Large increase in training ammunition, both requirement and funding
- Big plus-up expected for ammunition resulting from expenditure
- Better understanding in the Pentagon of Ammunition Readiness and the industrial base
- Adverse impact on budget demands
- Homeland Defense requirements

Concerns

- Keeping the focus on ammunition
- Satisfying the near-term requirement without build a capacity that will not be utilized
- Industrial Base
- Balancing current requirements with future requirements
- Ensuring that we continue to field increasing capability to the warfighter
- Prioritization of funding for FCS Ammunition programs

Life Cycle Management

- **Unify & Integrate Ammunition Management Under One Single Chain of Command…by Consolidating Responsibility and Resource Management in the PEO**
- **Manage Ammunition as a Family, by Families (Artillery, Mortars, Tanks, etc.)**
  - ✓ Optimize Acquisition Strategy
  - ✓ Optimize Technology across Family can save $$ in schedule
  - ✓ Opportunity for Continuous Improvement thru Recurring Buys and Long Term Strategies
  - ✓ Shape the Product Base through acquisition (modernize base through long term strategies)

Authority and Accountability…
or Meeting Full Military Requirement For all Ammo Familie

PEO Ammo Management Philosophy

- Promote Best Value Acquisitions
- Reinforce Success
- Utilize Disciplined Processes
- Promote Six Sigma and Lean Design/Production
- Promote Continuous Process Improvement and Technology Insertion
- Promote Commonality and Interoperability
- Spiral or Evolutionary System Development

Put Eyeballs On – "Trust, but Verify"

We need to Change Our Acquisition Mentality

- Systems Engineering From The “Systems of Systems” Perspective
- New Approach To Ammo Development
  - ✓ Commonality
  - ✓ Spiral/Block Development
  - ✓ Continuous R&D/Block upgrade
  - ✓ Life Cycle Management
- Ultra-reliability
- Logistics Upfront
- Industrial Base Transformation

Summary

- PEO Ammunition Up and Running
- Current situation has brought a lot of focus on Ammunition
- Major job is to maintain Ammunition visibility and just do the right thing for the soldier

PEO
Ammunition
Joint Lethality